

A SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION

- One-piece cast body with guides to support gate and seat wedges.
- Stainless steel gate.
- High flow rates with low load losses.
- Various constructions materials and seal and stuffing materials available.
- Face-to-face distance in accordance with **CMO Valves** standards.
- An arrow is marked on the body indicating the flow direction.

GENERAL APPLICATIONS

This knife gate valve is suitable for liquids that contain a maximum of 5% suspended solids. If it is used for dry solids in gravity feed applications it should be installed with the arrow on the body pointing in the opposite direction to the flow.

Designed for applications such as:

- Paper industry.
- Mining.
- Chemical plants.
- Pumping.
- Food industry.
- Sewage treatment.

SIZES

From DN50 to DN1200.

Other DNs on request.

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

Indicated work pressures will only be valid following the direction of the arrow marked on the valve. Due to the valve's design with gate support guides, 30% of these pressures can be applied in the opposite direction to the arrow without causing any damage to it. In these circumstances the valve is not watertight. An additional series of supports is necessary in order to achieve tightness in these conditions.

FLANGE DRILLING

- EN1092 PN10.
- ASME B16.5 (class 150).

OTHERS COMMONLY USED

- PN6.
- PN16.
- PN25.
- BS "D" and "E".
- JIS10K.

Others on request.

RESILIENT SEALS

- EPDM.
- NITRILE.
- FKM.
- SILICONE.
- PTFE.

Various materials are available for the reinforced socket and the deflector (CA-15, CFBM and Ni-hard...).

DIRECTIVES

See document of directives applicable to **CMO Valves**.



*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

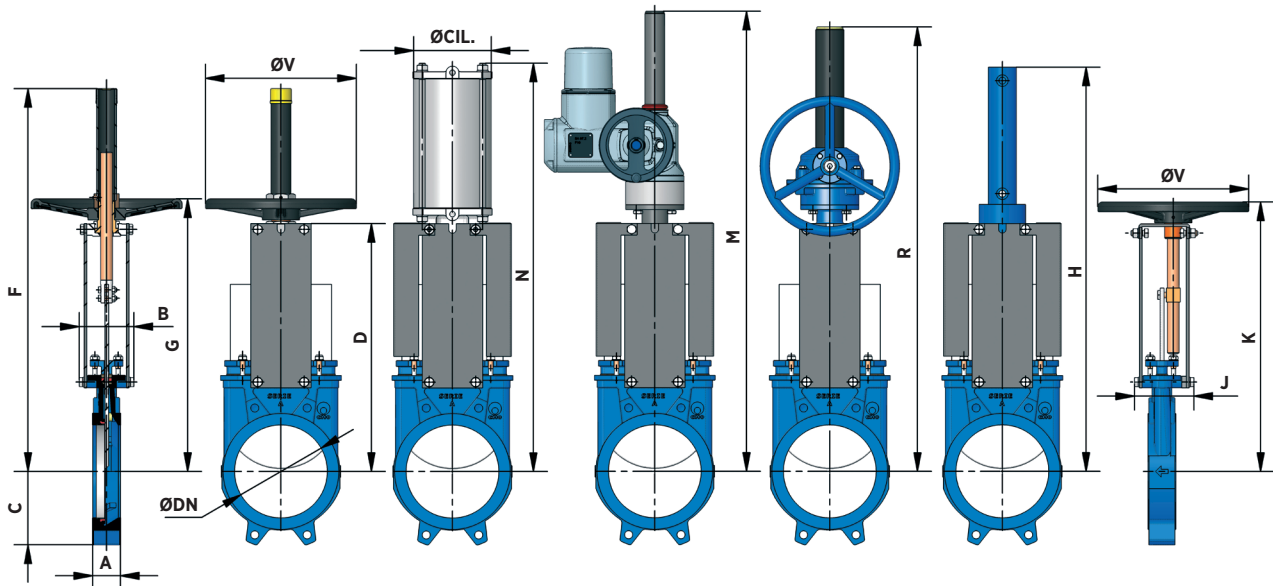
QUALITY DOSSIER

All valves are tested hydrostatically at **CMO Valves** and material and test certificates can be provided.

- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.



A SERIES



MANUFACTURING RANGE

DIMENSIONS - A

DN	A	B	C	D	F	G	ØV	N	ØCIL.	M	R	H	J	K
50	40	92	63	241	409	280	225	415	80	595	540	460	101	280
65	40	92	70	268	436	307	225	455	80	622	566	500	101	308
80	50	92	92	294	469	333	225	498	80	647	592	560	101	330
100	50	92	105	334	502	373	225	565	100	687	632	620	101	373
125	50	102	120	367	585	406	225	636	125	720	665	683	111	407
150	60	102	130	419	644	458	225	717	125	772	717	755	111	458
200	60	119	160	525	815	578	325	874	160	990	942	926	128	578
250	70	119	198	626	1016	679	325	1036	200	1090	1043	1077	128	679
300	70	119	234	726	1116	779	380	1182	200	1190	1194	1245	128	779
350	96	290	256	797	1336	906	450	1380	250	1302	1335	1376	305	906
400	100	290	292	903	1442	1012	450	1530	250	1460	1441	1535	305	1012
450	106	290	308	989	1628	1098	450	1677	300	1755	1677	1710	305	1098
500	110	290	340	1101	1738	1210	450	1839	300	1870	1789	1870	305	1210
600	110	290	398	1307	2046	1416	450	2146	300	2043	2045	2175	305	1416
700	110	320	453	1506	-	-	-	2481	350	2401	2401	2525	-	-
800	110	320	503	1720	-	-	-	2798	350	2715	2715	2839	-	-
900	110	320	583	1953	-	-	-	3167	400	3043	3043	3172	-	-
1000	110	320	613	2137	-	-	-	3451	400	3351	3351	3496	-	-
1200	150	340	728	2616	-	-	-	4135	400	4042	4042	4174	-	-

No obligation consultation on dimensions and drawings. **CMO Valves** reserves the right to modify them at any time, at its discretion and without prior notice.

Larger sizes on request.

www.cmovalves.com/valves



Visit our website to see the full features of the **A/A-LUG** Series.

FLANGE DRILLING - A

DN	ΔP (bar)	PN10					ASA150				
		●	○	M	P	ØK	●	○	R UNC	P	ØK
50	10	4	-	M 16	8	125	4	-	5/8"	8	120,6
65	10	4	-	M 16	8	145	4	-	5/8"	8	139,7
80	10	4	4	M 16	9	160	4	-	5/8"	9	152,4
100	10	4	4	M 16	9	180	4	4	5/8"	9	190,5
125	10	4	4	M 16	9	210	4	4	3/4"	9	215,9
150	10	4	4	M 20	10	240	4	4	3/4"	10	241,3
200	10	4	4	M 20	10	295	4	4	3/4"	10	298,4
250	10	6	6	M 20	12	350	6	6	7/8"	12	361,9
300	6	6	6	M 20	12	400	6	6	7/8"	12	431,8
350	6	10	6	M 20	21	460	8	4	1"	21	476,2
400	6	10	6	M 24	21	515	10	6	1"	21	539,7
450	5	14	6	M 24	22	565	10	6	1 1/8"	22	577,8
500	4	14	6	M 24	22	620	14	6	1 1/8"	22	635
600	4	14	6	M 27	22	725	14	6	1 1/4"	22	749,3
700	3	16	8	M 27	22	840	20	8	1 1/4"	22	863,6
800	3	16	8	M 30	22	950	20	8	1 1/2"	22	977,9
900	3	20	8	M 30	20	1050	20	12	1 1/2"	20	1085,9
1000	3	20	8	M 33	20	1160	24	12	1 1/2"	20	1200,2
1200	3	20	12	M 36	22	1380	26	18	1 1/2"	24	1422,4

Larger sizes on request.

- Threaded holes.
- Through holes.

